

We claim:

(1)

A core computer unit comprising in combination a core housing, internal core components, and an external core connector, said internal core components comprising all of the components of a conventional computer all in electrical connection to said external core connector, said core computer unit having power connection means via said external core connector for electrical connection to an enclosure, without said power connection means said core computer unit remains dormant and non-functional, with said electrical connection said core computer unit supplying any desired computer function dictated by said enclosure, said internal core components having means to cooperate with said enclosure to supply said computer function to peripherals in communication with said enclosure, said external core connectors having means adapted to cooperate with a connector in said enclosure to provide said electrical connection between said core computer unit and said enclosure.

(2)

The core computer unit of claim 1 wherein said unit has means via said enclosure to communicate with a function selected from the group consisting of a U.S.B., communication serial ports, floppy discs, video graphic adapters, P.C.I. Bus, head mounted displays, audio input/output means, power means, IRDA means, PCMCIA cards, activation means and mixtures thereof.

(3)

The core computer unit of claim 1 wherein said unit has means via said enclosure to communicate with PCMCIA cards connected to said enclosure.

(4)

The core computer unit of claim 1 wherein said unit has means via said enclosure to communicate with and function off an activation means selected from the group consisting of mouse activation, keyboard, audio activation, eye tracking activation means, pen activation means, electroencephalography activation means and mixture thereof.

(5)

The core computer unit of claim 1 wherein said unit has means for communicating with ports located in said enclosure.

(6)

The core computer unit of claim 1 wherein said power connection means comprises a connector in electrical connection to all of said internal core components and having means for mating with a compatible connector means for said enclosure.

(7)

The core computer unit of claim 1 wherein said core housing is completely sealed so that said internal core components cannot be changed or modified.

(8)

The core computer unit of claim 1 wherein said core computer unit has means when connected to said enclosure to provide built-in capacity to interface with external sources of data and information.

(9)

The core computer unit of claim 1 wherein said core housing permanently encloses a processor, memory means, internal storage means, activation means, video display controller means, input/output controller means, and means for communication with outside sources of data and information.

(10)

A self-contained core computer unit comprising in combination a core housing, internal core components and an external core connector, said internal core components comprising all of the components required in a conventional computer, said external core connector extending from internally of said housing to the atmosphere, said external core connector made up of a conductive material and capable of transferring electrical signals from an internal portion of said core housing, said internal core components all in electrical connection to said external core connector, said core computer unit having power connection means via said external core connector for electrical connection to a compatible enclosure, without said power

connection means and core attachment to said enclosure, said core computer unit remains dormant and non-functional as a computer, with said attachment said core computer unit having means to supply any desired computer function dictated by said enclosure.

(11)

The core computer unit of claim 10 wherein said unit has means via said enclosure to communicate with a function selected from the group consisting of a U.S.B., communication serial ports, parallel ports, floppy discs, video graphic adapters, P.C.I. Bus, head mounted displays, flat panel displays, audio input/output means, power means, IRDA means, PCMCIA cards, optical storage means, other memory devices, activation means and mixtures thereof.

(12)
The core computer unit of claim 10 wherein said unit has means via said enclosure to communicate with PCMCIA cards connected to said enclosure.

(13)
The core computer unit of claim 10 wherein said unit has means via said enclosure to communicate with and function off an activation means selected from the group consisting of mouse activation, audio activation, eye tracking activation means, pen activation means, electroencephalography activation means and mixture thereof.

(14)
The core computer unit of claim 10 wherein said unit has means for communicating with ports located for said enclosure.

(15)
The core computer unit of claim 10 wherein said power connection means comprises a connector in electrical connection to all of said internal core components and having means for connecting to and mating with a compatible connector means for said enclosure.

(16)
The core computer unit of claim 10 wherein said core housing is completely sealed so that said internal core components cannot be changed or modified.

(17)
The core computer unit of claim 10 wherein said core computer unit has means when connected to said enclosure to provide built-in capacity to interface with external sources of data and information.

(18)
The core computer unit of claim 10 wherein said core housing permanently encloses a processor, memory means, internal storage means, activation means, video display controller means, input/output controller means, and means for communication with outside sources of data and information.